

International Code Council  
**CONSENSUS COMMITTEE ON HURRICANE RESISTANT CONSTRUCTION**  
**(IS-HRC)**

**Meeting #1 – July 12, 2004**  
**Hilton Downtown – Atlanta, GA**

**MINUTES**

**I. WELCOME AND INTRODUCTIONS**

The Secretary, Larry Franks, called the meeting to order at 8:00 AM. The Secretary welcomed everyone and self-introductions were made. An attendance list was provided for the committee and guests to sign.

**A. Approval of agenda**

The Secretary changed Item **VIII. A.** to B. and added new Item **VIII. A.** as follows:

**VIII. DEVELOP DRAFT STANDARD FOR HRC**

A. Define Scope, Limitations, Design Parameters, and Design Criteria.

B. Assignments

The meeting agenda was approved with the change.

**II. ICC POLICY FOR STANDARDS DEVELOPMENT**

The Secretary directed everyone to his or her copies of ICC policy CP #12-03 ICC STANDARDS DEVELOPMENT and CONSENSUS PROCEDURES OF THE INTERNATIONAL CODE COUNCIL.

This committee must comply with this policy and procedures. These procedures adhere to the consensus procedures of the American National Standards Institute (ANSI).

Dave Bowman –ICC Manager of Codes, discussed the policy and procedures and noted that the final vote to approve the standard requires a 2/3 vote. The committee should vote on each part of the standard with a 2/3 vote to ensure a successful vote at the end. Dave explained that parts voted on at the meetings would also be by letter ballots. This will assure the formal recorded vote required by the ANSI process.

**III. ATTENDANCE**

The review of the signed attendance list showed that a quorum was present. Eighteen committee members, four guest and three ICC staff members were present.

**Members present:**

Sheila Blake  
James Delahay  
Bradford Douglas  
Charles Everly  
Fayez Fanik  
Dennis Graber  
Dale Greiner  
Eric Haefli  
Marcelino Iglesias  
Medard Kopczynski  
James Rossberg  
John Scott  
Stephen Skalko  
Raymond Stone  
Peter Vickery  
Gary Walker  
George Wiggins  
Robert Wills

**Guests present:**

Peter Mazikins  
William D. Allen  
Joseph Knarich  
Randall Shackelford

**ICC Staff present:**

Larry Franks-Secretary  
Dave Bowman – Manager of Codes  
Ed Wirtschoreck – Manager of Standards

The Secretary reminded everyone that ICC was providing reimbursement for travel only for those members representing ICC. The reimbursement information has been provided to those members.

**IV. MEMBERSHIP**

Dave Bowman explained that the committee is balanced at 21 members with an equal number of interest category of Producer, User and General Interest. The committee had 24 members but three members changed employment and were automatically terminated. ICC has applications for appointment to replace the previous members. The ICC Standards Council will appoint replacements for the three members. The three appointments must be one each from each interest category.

Ed Wirtschoreck will e-mail the current Membership Roster to each committee member soon after this meeting.

The Secretary explained the committee voting was to be in accordance with Section 8.0 of the ICC Consensus Procedure. The votes are to be Affirmative, Affirmative with comment, Negative with reason, and Abstain with reason. It was discussed and agreed that since all parts are to be voted by letter ballot the reason for abstain did not have to be voiced at the meeting but must be recorded on the letter ballot.

**V. ELECT CHAIRMAN AND VICE-CHAIRMAN**

The Secretary announced that in, accordance with Section 4.0 of the Consensus Procedure, ICC has appointed Medard Kopczynski as Chairman and Stephen Skalko as Vice-Chairman subject to approval by a majority vote of the committee.

The committee voted unanimously to approve Medard Kopczynski as Chairman and Stephen Skalko as Vice-Chairman. The meeting was then turned over to the Chairman.

**VI. PROPOSALS - DEBATE AND APPROVE PROPOSALS**

**HRC-01:** This proposal, by Hank Martin – AISI, concerned the need for the IS – HRC Standard and the potential for conflicts with the existing steel framing standard.

Staff pointed out that if this committee agreed that the IS-HRC was not needed and approved this proposal that approval to discontinue development would have to come from ICC Board of Directors and the ICC Standards Council. This committee would have to request the ICC Board of Directors to discontinue the IS-HRC. Several members voiced opinions and stated reasons why the standard was needed. It was pointed out that while some material standards had prescriptive high wind details they did not have details for the foundations. Robert Wills stated that Hank was not so much against the standard but mainly concerned with conflicts and that AISI will work with the committee if it decided the standard was needed.

Proposal HRC-01 was disapproved by a majority voice vote.

**Remaining Proposals** Staff pointed out that these proposals were comments on the SSTD –10 and were to be used by the committee as a resource to develop the draft of the standard and as such are not subject to the ANSI rule of 2/3-majority vote.

Since the remaining proposals deal with the potential scope and criteria of the draft, the committee decided to dispense with agenda **Item VIII. A.** before discussing the remaining proposals.

**HRC-02:** This proposal by, Rebecca C. Quinn – FEMA, is to change the title to reflect it is restricted to hurricane wind or expand scope to include other hurricane loads such as flooding.

The ANSI PINS Scope Summary does not include flood loads. Staff pointed out that the ANSI Scope could be expanded but it would have to go back through the ICC Standards Council, the ICC Board and ANSI.

The committee decided not to expand the scope to include flooding since ASCE 24 addresses flood resistance design. Jim Delahay made a motion to change the title to “Standard for Residential Construction in High Wind Regions”. The motion passed by majority voice vote.

**HRC-03:** This proposal by, Rebecca C. Quinn – FEMA, is to change the limitations to include other loads such as wind driven rain and storm surge flooding.

No action was required based on the committee action on **HRC-02.**

**HRC-04:** This proposal by Charles Everly is to reorganize SSTD-10 into a load / resistance format and limit the wind velocities to 150 mph.

This proposal was approved by majority voice vote.

**HRC-05:** This proposal by, Robert Wills – AISI, is to include prescriptive cold-formed steel construction in the standard.

No action was required since steel is included in the ANSI PINS Scope summary.

**HRC-06:** This proposal by, Robert Wills – AISI, is to expand SSTD-10 to incorporate mixed construction materials.

This proposal was approved by majority voice vote.

**HRC-07:** This proposal by, Rebecca C. Quinn – FEMA, is to delete Sections 102.2.3, 102.2.4 and 102.2.5 and substitute updated language for flood hazard areas. Jim Rossberg stated that no action was required based on the committee action on **HRC-02**. Gary Walker made a motion to amend HRC-07 to delete Sections 102.2.3, 102.2.4 and 102.2.5 without substitution. The motion carried.

This proposal was approved as amended by majority voice vote.

**HRC-08:** This proposal by, Rebecca C. Quinn – FEMA, is to add new definitions to support flood resistant design.

No action was required based on the committee action on **HRC-02 and HRC-07**.

**HRC-09:** This proposal by, Rebecca C. Quinn – FEMA, is to add new language to support flood resistant design.

No action was required based on the committee action on **HRC-02 and HRC-07**.

**HRC-10:** This proposal by, David Hattis – ASTM, is to change Section 604 to add reference to the ASTM E 1996 and ASTM E 1886. The committee discussed the need for Section 604 as this issue may be adequately address by the IBC and the IRC. A motion was made to disapprove this proposal at this time but the committee may address this issue later.

The motion to disapprove passed by a majority vote. There were 5 votes against.

**HRC-11:** This proposal by, Rebecca C. Quinn – FEMA, is to add new reference standard ASCE 24.

No action was required based on the committee action on **HRC-02 and HRC-07**.

**HRC-12:** This proposal by, David Hattis – ASTM, is to add new reference standards ASTM E 1996 and ASTM E 1886.

No action was required based on the committee action on **HRC-10**.

**Purpose:** A motion was made that the purpose of the standard is to allow a homeowner or builder to build a residential building, without employing a registered design professional, and to be validated by the building official.

The motion passed by a majority vote.

## **VII. BASE DOCUMENT (SSTD 10-99)**

The secretary pointed out that the SSTD10-99 is a resource base document for developing the draft but must be updated to the 2003 IBC. Jim Rossberg stated that the committee must look beyond the 2003 IBC and make sure the final document update includes the code edition that is current when the final document is ready.

*Staff note: The goal is to have the standard completed in time for the 2006-2007 code change cycle and as such the standard update would be to the 2006 IBC. The 2003 IBC including the 2004 Supplement should be the starting point.*

ICC has prepared a CD-R of SSTD 10-99 for the committee's use as a resource to develop the draft. The CD contains text and tables that can be edited but the graphics are

.tif files and cannot be edited. ICC Staff can do any required graphics editing or new graphics from a marked hardcopy. A copy of the CD was given to each committee member present.

## **VIII. DEVELOP DRAFT STANDARD FOR HRC**

### **A. Define Scope, Limitations, Design Parameters, and Design Criteria.**

**Scope:** A motion was made by Dale Griener to retain the scope as outlined in Section 101.1 of SSTD 10-99 acknowledging that steel must be added and or other materials as required. The motion passed by a vote of 9 to 6 with 3 abstains.

**Limitations:** A motion was made by Gary Walker to retain the limitations of Section B2 of Appendix B of SSTD 10-99. The motion passed by a majority voice vote. Gary Walker made a motion that the building design be limited to enclosed buildings. The motion passed by a majority voice vote.

**Design Parameters:** A motion was made by Gary Walker to retain (SSTD10-99) Section 102.1 Items 1, 2, 3 and 4 except change building width 60'-0" to 40'-0". The motion passed by a majority voice vote.

**Design Criteria:** A motion was made by Gary Walker that the design wind speeds will begin at 110 mph in increments of 10 mph up to 170 mph. An amendment was made by Jim Delahay that the criteria are in accordance with ASCE 7-05. An amendment was made by Dale Griener to start at 100 mph in lieu of 110 mph. The motion with amendments was passed by a majority voice vote.

*Staff note: Later action on Proposal HRC-04 reduced the 170 mph to 150 mph.*

### **B. Assignments**

The committee discussed the need for task groups to develop the first draft of the standard.

The consensus was that six groups would be needed initially to develop drafts for Preface and General Requirements, Loads, Masonry, Wood, Steel, and Concrete. Jim Delahay handed out an outline of titles of chapters and appendix that was to be used to update SSTD 10-99. The outline contained ten chapters and six appendixes. Concerns were expressed that the Materials (Masonry, Wood, Steel, and Concrete) groups could not complete their first draft until after the loads group had completed its work. Since the standard will be organized into a load / resistance format the material groups should all agree on the resistance format to be used for each material section. It was decided that a task group consisting of the materials group would develop the draft for the resistance format before proceeding with the draft of the materials sections. The Chairman then formed three task groups to develop drafts for the following:

Preface and Chapter 1 General Requirements with Appendix A Referenced Standards.

Chapter 2 Loads with Appendix B Design Load Assumptions

Resistance Format

The task groups and their members are as follows:

<b>Preface and General Requirements w/ App. A</b>	<b>Loads w/ App. B</b>	<b>Resistance Format</b>
George Wiggins – Chair	Charles Everly – Chair	Dale Greiner - Chair
Shelia Blake – Vice Chair	Jim Delahay – Vice Chair	Robert Wills – Vice Chair
Dale Greiner	Raymond Stone	Brad Douglas
Marcelino Iglesias	Peter Vickery	Dennis Graber
John Scott		Steve Skalko

The task groups are to have their first drafts ready for discussion by the full committee prior to the next meeting.

**IX. NEXT MEETING/LOCATION**

The next meeting will be December 13 and 14, 2004 in Atlanta, GA.

**X. ADJOURN :** Chairman Kopczynski adjourned the meeting at 3:00 PM.